What is Claimed is:

1. A transmitting apparatus comprising:

detection means of detecting whether an image to be processed is changed exceeding a predetermined criterion;

compression means of compressing said image so that a compression degree may be higher when a detection result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when said detection result by said change detection means indicates that said image is changed not exceeding said predetermined criterion, of compressing said image so that the compression degree may become lower; and

output means of outputting said compressed image.

2. The transmitting apparatus according to claim 1, wherein

said image to be processed is temporarily stored in an image memory, and

said detection means periodically reads said image from said image memory to compare said before and after images, and detects whether said image to be processed is changed exceeding said predetermined criterion.

3. The transmitting apparatus according to claim 1, wherein said predetermined criterion is the number of pixels changed between said before image and said after

image.

4. The transmitting apparatus according to claim 1, wherein said predetermined criterion is a level by which to determine that said image has not been changed, if said region where the image is changed is smaller than a predetermined size in area, and is in the same position as the previously detected region where the image was changed.

5. The transmitting apparatus according to claim 1, wherein said compression means compresses said image by changing the compression ratio of said image according to a degree of change in said image detected by said change detection means.

6. The transmitting apparatus according to claim 1, wherein

while said image is not changed, except for every predetermined period, said compression means does not compress said image and said output means does not output said image, and

said compression means compresses said image at every predetermined period and said output means outputs said image at every predetermined period.

7. The transmitting apparatus according to claim 6, wherein said compression means does not compress said image when said predetermined period is repeated for a

predetermined number of times or more, and said output means does not output said image when said predetermined period is repeated for said predetermined number of times or more.

8. The transmitting apparatus according to claim 7, wherein when compressing said image at said every predetermined period, said compression means compresses said image to be compressed later at a compression ratio lower than a compression ratio of said image compressed earlier.

9. The transmitting apparatus according to claim 1, wherein

said image to be processed is that generated by an image signal generating apparatus, and

said image signal generating apparatus is a personal computer.

10. The transmitting apparatus according to claim 1, wherein

for each of a plurality of blocks into which said image that is generated by said image signal generating apparatus is zone-devided, said change detection means detects whether said image to be processed is changed exceeding said predetermined criterion, and

for every said block in which it has been detected whether said image to be processed is changed exceeding

said predetermined criterion, said compression means compresses said image so that the compression degree may become higher when said detection result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and compresses said image so that the compression degree may become lower when said detection result by said change detection means indicates that said image is changed not exceeding said predetermined criterion.

11. An image processing system comprising:

an image signal generating apparatus of generating an image;

a transmitting apparatus including detection means of detecting whether said image to be processed that is generated by said image signal generating apparatus is changed exceeding a predetermined criterion, compression means of compressing said image so that a compression degree may be higher when said detection result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when said detection result by said change detection means indicates that said image is changed not exceeding said predetermined criterion, of compressing said image so that the compression degree may become lower, and transmission means of transmitting said compressed image; and

a receiving apparatus including expanding means of expanding said transmitted image utilizing information regarding compression of said image by said compression means, and output means of outputting said expanded image.

12. The image display system according to claim 11, wherein

said transmitting apparatus also serves as said image signal generating apparatus, and

said transmitting apparatus and said image signal generating apparatus are a personal computer.

13. The image display system according to claim 11, wherein said receiving apparatus is a projector.

14. An image processing method comprising:

detection step of detecting whether an image to be processed is changed exceeding a predetermined criterion;

compression step of compressing said image so that a compression degree may become higher when a detection result by said change detection step indicates that said image is changed exceeding said predetermined criterion, and when said detection result by said change detection means indicates that said image is changed not exceeding said predetermined criterion, compressing said image so that compression degree may become lower; and

output step of outputting said compressed image.

15. A program of causing a computer to function, in

the transmitting apparatus according to claim 1, as:

detection means of detecting whether an image to be processed is changed exceeding a predetermined criterion;

compression means of compressing said image so that a compression degree may become higher when a detection result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when said detection result by said change detection means indicates that said image is changed not exceeding said predetermined criterion, of compressing said image so that compression degree may become lower; and

output means of outputting said compressed image.

16. A recording medium storing the program according to claim 15, wherein said recording medium is computer processable.